AUTODOC CLUB

How to change engine oil and filter on **MERCEDES-BENZ A-Class (W169) diesel** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
MERCEDES-BENZ A-Class (W169) A 200 CDI (169.308, 169.008), MERCEDES-BENZ A-Class (W169) A 160 CDI (169.006, 169.306), MERCEDES-BENZ A-Class (W169) A 180 CDI (169.007, 169.307), MERCEDES-BENZ A-Class (W169) A 200 CDI (169.008, 169.308)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ A-Class (W168) A 170 CDI (168.009, 168.109)

REPLACEMENT: ENGINE OIL AND FILTER – MERCEDES-BENZ A-CLASS (W169). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- All-purpose cleaning spray
- Torque wrench
- Drive socket # 18
- Drive socket # 32
- Ratchet wrench
- Flat Screwdriver
- Funnel
- Oil drain pan
- Fender cover

Buy tools

Replacement: engine oil and filter – MERCEDES-BENZ A-Class (W169). Tip from AUTODOC experts:

- Replace the oil filter every time when changing motor oil.
- Wear gloves to prevent contact with hot liquid.
- Please note: all work on the car – MERCEDES-BENZ A-Class (W169) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

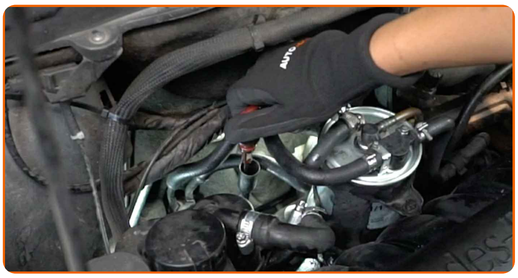
1 Open the hood.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Unscrew the oil filler plug.



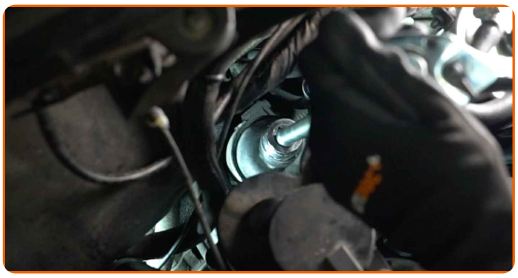
4 Pull up the oil dipstick.



5 Clean the oil filter. Use all-purpose cleaning spray.



6 Unscrew the filter housing cap together with the old filter element. Use a drive socket #32. Use a ratchet wrench.



7 Put the old oil filter in the container.



8 Lift the car using a jack or place it over an inspection pit.

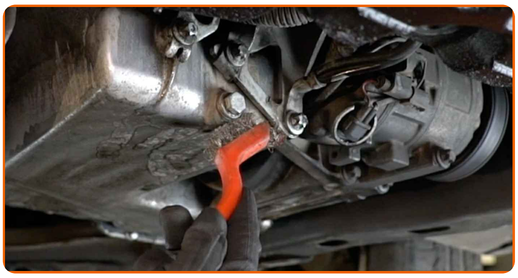
Replacement: engine oil and filter – MERCEDES-BENZ A-Class (W169). Professionals recommend:

- The vehicle must be on even keel, and if it is at an angle, the drain plug must be at the lowest point.
- All work should be done with the engine stopped.

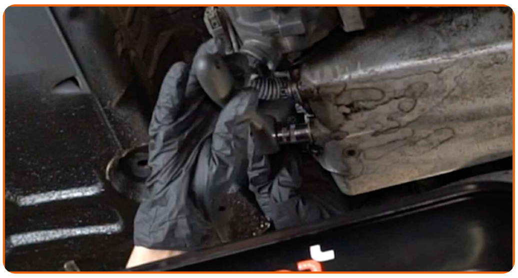
9 Put a waste oil container with at least 5 l capacity under the drainage hole.



10 Clean the area of the oil pan drainage hole. Use a wire brush. Use all-purpose cleaning spray.



11 Unscrew the drain plug. Use a drive socket #18. Use a ratchet wrench.



12 Drain the used oil.



Replacement: engine oil and filter – MERCEDES-BENZ A-Class (W169). Professionals recommend:

- Caution! The oil may be hot.

13 Detach the oil filter from the filter cover.



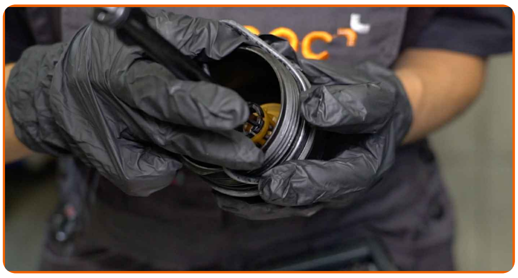
14 Remove old o-rings from the oil filter cover. Use a flat screwdriver.



15 Clean the oil filter housing cap. Use all-purpose cleaning spray.



16 Install new o-rings.



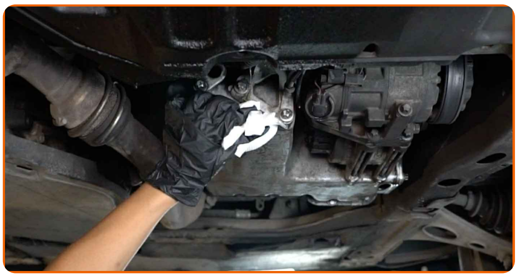
17 Install the new oil filter to the mounting seat on the filter cover.



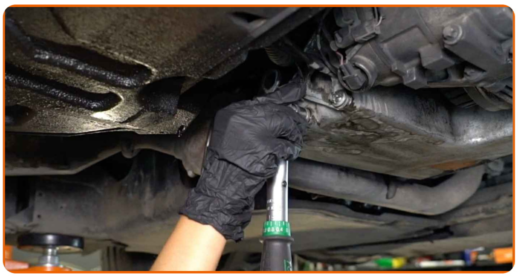
Replacement: engine oil and filter – MERCEDES-BENZ A-Class (W169). Tip from AUTODOC experts:

- Make sure to install the filter correctly. Don't mix up the sides of the part.
- Wait until the oil has completely drained from the drainage hole.

18 Clean the area of the oil pan drainage hole.



19 Screw in the new drainage plug and tighten it. Use a drive socket #18. Use a torque wrench. Tighten it to 29 Nm torque.



20 Clean the area of the oil pan drainage hole. Use all-purpose cleaning spray.

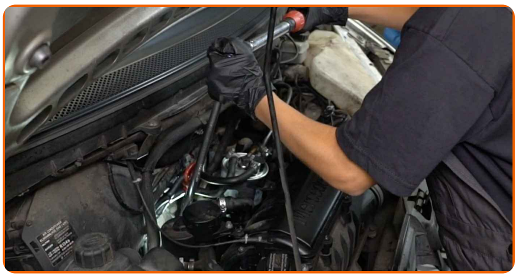


21 Lower the car.

22 Lubricate the rubber seal of the new filter with a little amount of fresh oil.



23 Install a new oil filter housing cover and tighten it. Use a drive socket #32. Use a torque wrench. Tighten it to 25 Nm torque.



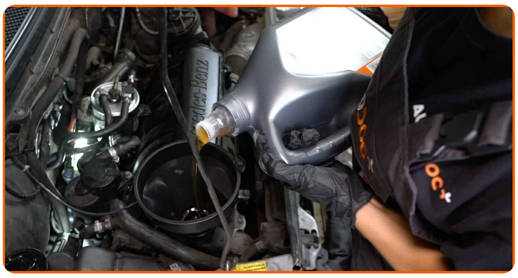
24 Remove the oil filler cap.



25 Insert the funnel.



26 Pour new oil into the engine in the amount recommended by the car manufacturer.



Replacement: engine oil and filter – MERCEDES-BENZ A-Class (W169). Tip from AUTODOC experts:

- Use the oil recommended by the manufacturer.

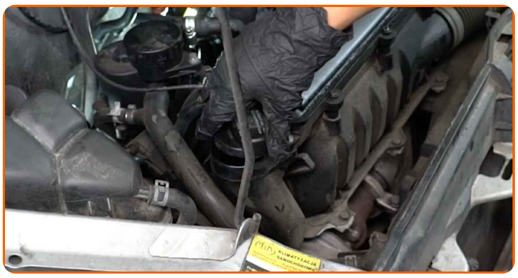
27 Check the oil level using the dipstick. Top up oil if necessary.



Please note!

- The oil level should be between the Min and Max marks.

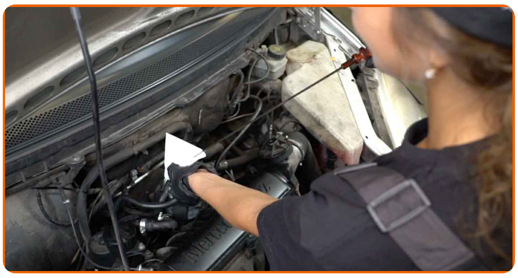
28 Install the oil filler cap.



29 Tighten the oil filler cap.

30 Run the engine for a few minutes. After the oil pressure warning light goes out, stop the engine.

31 Check the oil level 5 minutes after the stop of the engine operation using a dipstick and add oil if necessary.



Please note!

- The oil level should be between the Min and Max marks.
- Make sure that the oil filler cap is properly tightened.
- Check the threaded plug of the drainage hole and the oil filter seal for tightness. If necessary, carefully tighten them up.

32 Remove the fender protection cover.

33 Close the hood.

Replacement: engine oil and filter – MERCEDES-BENZ A-Class (W169). Professionals recommend:

- Note that oil pressure warning light, which indicates insufficient pressure in the lubrication system, may be on for a longer time than usual. After a few seconds, the oil will fill all the channels, and the light will go out.
- To protect the environment from pollution, be sure to dispose of the used filters at special collection points.

WELL DONE!

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